CONFIDENTIAL

RESEARCH DEPARTMENT

AKG MICROPHONE TYPE C601

Technological Report No. L-067/4
UDC 621.395.616.385.1 1966/35

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for Head of Research Department

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AKG MICROPHONE TYPE C601

1. Supplier: Politechna (London) Ltd. Made by A.K.G., Vienna.

2. Description: Electrostatic, end-fire cardioid, transistor operated with radio frequency polarizing. Supplied with internal batteries.

3. Price to BBC: Approx. £70.

4. Appearance and Dimensions: See Fig. 1.

5. Weight: Approx. 0·1 kg without cable.

6. Impedance: Nominally 200 ohms; actual value 280 ohms over most of the frequency band.

7. Frequency Characteristics: See Fig. 2.

Note: At low frequencies the characteristics for sound incident at 90° and 135° vary somewhat with position around the microphone.

8. Sensitivity: Mid-band sensitivity is -43 dB with reference to 1 volt/N/m^2.

9. Noise and Interference:

9.1. Internally Generated Noise (weighted): Equivalent mid-band sound level: +17 dB with reference to 20 μN/m^2.

Note: This level is very low.

9.2. Magnetic Pickup (unweighted)

Frequency	Equivalent mid-band sound level, dB with ref. to 20 μN/m^2 for 1 μT
50 Hz	+26
1 kHz	+50
10 kHz	+53

Note: These levels are extremely low.

9.3. Wind Noise (weighted)

Microphone Condition	Equivalent mid-band sound level, dB with ref. to 20 μN/m^2 for wind speed of 16 km/h				
	Angles of Incidence				
	0°	45°	90°	135°	180°
Unequalised	*	*	86	93	91
Equalised	*	*	91	96	95

* Unmeasurable; above 8 km/h the diaphragm appears to collapse against the back plate.

Note: The values given are a few decibels lower than those of the average electrostatic cardioid microphone.

SMW

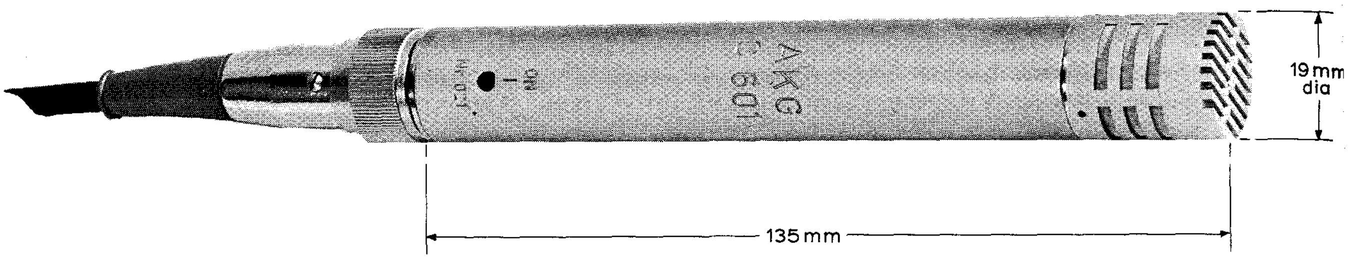

Fig. 1 External appearance and dimensions of A.K.G. microphone type C 601, serial No. 021

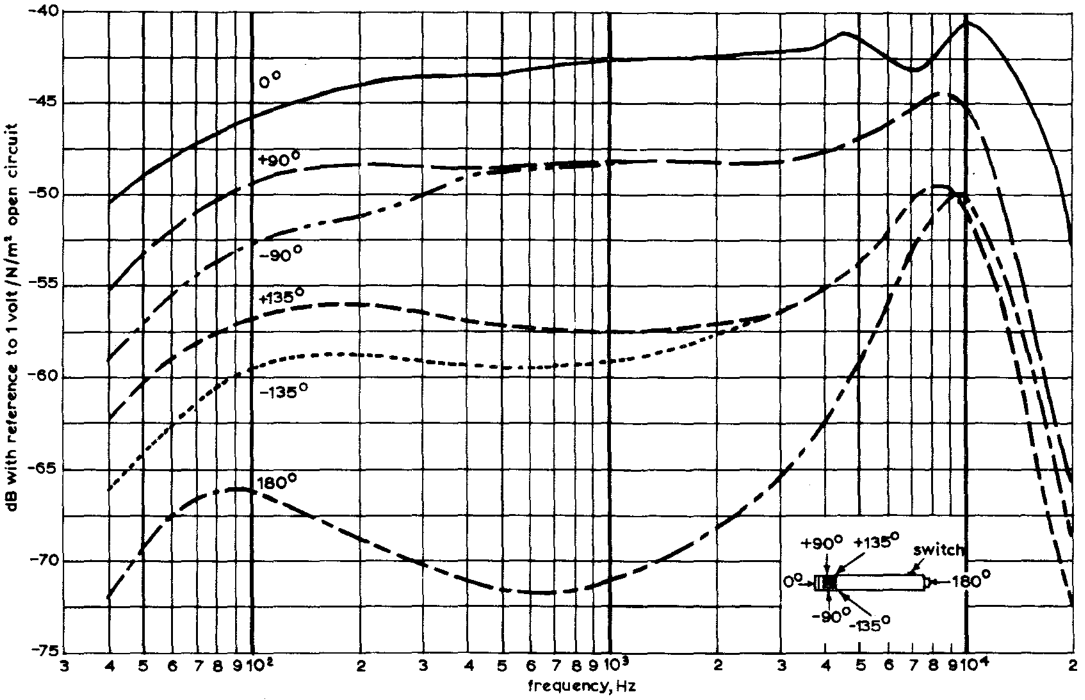

Fig 2. Frequency characteristics of A.K.G. microphone type C601, serial No. 021.

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